

PALLAS.

Observations.

HAMBURG. Merid. Circle & Transit. (MM. C. & G. Rümker.)

1848.		Hamburg M.T. h m s	Circle. h m s			Transit. s	Decl. ° ' "		
March	17	10 51 53.3	10	34	18.09	18.27	+	2	3 40.2
	21	34 20.5	32	....		28.46		.....
	22	29 59.7	32	3.68		....		4	5 30.4
	23	25 41.2	31	40.94		....		4	29 3.4
	27	8 40.4	30	23.56		23.42		6	0 6.0
	28	4 28.9	30	7.99		8.01		6	21 57.7
	29	10 0 19.2	29	....		54.01		.....
	30	9 56 10.6	29	41.31		41.60		7	4 34.0
	31	52 3.8	29	30.48		30.60		7	25 22.5
April	1	47 58.5	29	21.10		20.71		7	45 43.0
	2	43 55.0	29	13.39		....		8	5 43.1
	3	39 53.0	29	7.30		7.03		8	25 15.1
	4	35 52.7	29	2.93		3.24		8	44 29.6
	10	12 25.2	29	10.84		11.03		10	30 43.7
	11	9 8 36.2	29	....		17.77		.....
	14	8 57 18.9	29	....		48.80		.....
	15	53 36.1	30	1.42		1.55	+	11	47 50.5
	16	8 49 55.6	10	30	....	16.96		.....

IRIS.

Observations.

LEYDEN. 8-foot Fraunhofer. (Professor Kaiser.)

1847.		Leyden M.T. h m s	R.A. ° ' "	No. Obs.	Decl. ° ' "			No. Obs.
Aug.	26	10 26 48.4	297 0 36.18	8	—13	51	29.01	4
	27	8 57 13.2	296 53 12.11	12		53	7.88	6
	28	9 48 8.4	296 45 27.27	12		54	50.37	6
	30	9 2 43.9	296 32 11.52	12	13	58	16.71	6
Sept.	9	10 12 39.1	295 54 45.77	12	14	12	57.62	4
	10	9 31 42.3	295 53 55.21	14		14	9.70	4
	11	8 43 35.3	295 53 32.98	12		15	16.99	5
	15	9 0 31.7	295 57 14.45	12		19	20.98	5
	19	9 10 40.2	296 9 7.42	10		22	30.38	4
	28	8 13 34.0	297 4 11.65	12		25	29.69	6
Oct.	2	9 45 11.7	297 41 23.79	8		24	54.10	4
		9 45 11.7	23.23	8			53.25	4
	3	7 8 54.2	297 50 35.38	12	—14	24	35.07	5
		7 19 19.2	39.13	12			35.63	5

		Leyden M.T.			R.A.			No. Obs.	Dec.			No. Obs.
		^h	^m	^s	^o	[']	["]		^o	[']	["]	
1847.												
Oct.	5	7	20	48.1	298	12	31.44	10	-14	23	35.89	7
	8	7	39	33.2	298	48	24.98	8		21	25.68	4
	9	7	14	53.6	299	1	1.64	10		20	33.56	4
	11	6	56	3.6	299	27	33.66	8		18	28.76	3
	13	7	38	55.9	299	56	9.47	12		16	4.04	4
		7	38	55.9			9.27	12			3.60	4
	14	7	20	34.2	300	10	38.79	12		14	41.84	4
		7	20	34.2			40.24	12			42.04	4
	15	8	32	38.5	300	26	30.25	8		13	9.37	4
		8	32	38.5			28.99	8			9.62	4
	16	7	32	42.2	300	41	20.66	8		11	38.83	6
	20	6	55	21.2	301	46	15.60	8		4	29.91	4
	21	7	33	13.4	302	3	52.69	5	.....			—
		7	54	44.0	.....			..		2	20.49	3
	22	7	39	39.0	302	21	32.61	10	14	0	16.80	4
	26	7	4	27.1	303	34	18.03	12	13	50	30.22	5
Nov.	1	6	43	55.6	305	32	56.02	12		32	36.50	6
	8	6	53	40.0	308	4	10.11	12		6	41.17	4
		7	5	3.2			21.21	12			39.08	4
	9	6	57	44.5	308	26	52.63	11	13	2	28.78	5
	10	6	47	1.3	308	49	30.88	14	12	58	15.83	6
	18	7	23	51.2	312	8	31.60	5	.....			—
	19	7	20	53.4	312	33	17.36	8		2	47.68	4 D ⁿ ?
	21	5	39	0.5	313	14	7.16	12	12	3	37.47	5 D ⁿ ?
	24	6	47	44.9	314	31	56.19	11	11	45	50.66	4
	29	5	51	48.2	316	42	6.98	12		14	35.28	4
Dec.	1	6	53	57.6	317	36	54.43	10	11	0	53.39	4
	14	5	30	9.0	323	38	8.67	13		9	22 38.61	6
	21	6	4	5.2	327	2	49.24	10		8	21 26.21	4
	30	5	21	14.6	331	31	43.42	19		6	55 23.35	6
1848.												
Jan.	4	5	14	53.7	334	4	35.84	13		6	4 2.45	6
	5	5	13	12.3	334	35	24.87	16		5	53 32.16	6
	8	5	34	54.6	336	8	59.72	12		5	21 8.63	4
	13	5	31	19.8	338	45	31.79	15		4	25 29.38	5
	14	5	46	6.3	339	17	22.96	10		4	13 59.26	4
	20	6	20	45.9	342	28	45.31	11		3	3 57.48	4
	26	6	30	33.2	345	41	46.59	12		1	51 25.48	4
	27	5	44	44.5	346	13	6.52	14		1	39 24.76	4
Feb.	1	5	40	10.1	348	55	51.78	11	-0	36	56.87	4
Mar.	3	6	51	55.0	6	18	41.59	12	+6	12	50.72	4
		7	12	6.1		19	14.00	10		13	5.33	4
	4	6	51	59.7	6	53	8.27	12		6	26 22.58	5
	14	7	26	54.5	12	42	34.43	11	+8	40	38.30	4